

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| S1 | 42 | 375/240.14.ccls. AND 375/240.15.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 13:51 |
| S2 | 1 | "20020071489".pn. | US-PGPUB | OR | ON | 2007/05/09 11:48 |
| S3 | 781 | 375/240.14.ccls. OR 375/240.15.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 11:50 |
| S4 | 70 | S3 AND ((variable OR dynamic) WITH (B ADJ (frame OR picture))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 11:51 |
| S5 | 12 | S4 NOT (variable ADJ length) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 11:52 |
| S6 | 1 | 10/658938.app. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 12:05 |
| S7 | 2 | ("6944224" "7003038").pn. | USPAT | OR | ON | 2007/05/09 13:01 |
| S8 | 781 | 375/240.14.ccls. OR 375/240.15.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 13:01 |

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| S9 | 1 | S8 AND colinear\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 13:02 |
| S10 | 1 | S8 AND (co ADJ linear\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 13:03 |
| S11 | 3 | 375/240.16.ccls. AND colinear\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 13:03 |
| S12 | 4 | 375/240.16.ccls. AND (co ADJ linear\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 13:04 |
| S13 | 2 | "5565920".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 16:17 |
| S14 | 5 | ("5548346" "5825421" "6333949" "6480670" "6600872").pn. | USPAT | OR | ON | 2007/05/10 15:56 |
| S15 | 267 | (scene ADJ change) WITH (p ADJ (frame OR picture)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:19 |
| S16 | 286 | (scene ADJ change) WITH correlation | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:32 |

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| S17 | 1 | 10/875265.app. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:46 |
| S18 | 4657012 | normalized cross correlation | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:46 |
| S19 | 702 | normalized ADJ cross ADJ correlation | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:47 |
| S20 | 781 | 375/240.14.ccls. OR 375/240.15.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:47 |
| S21 | 391 | S18 AND S20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:47 |
| S22 | 1 | S19 AND S20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:48 |
| S23 | 3 | S19 AND (scene ADJ change) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:48 |
| S24 | 3 | ("20020131493" "20030169817" "20040047418").pn. | US-PGPUB | OR | ON | 2007/05/11 11:31 |

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| S25 | 2097 | 375/240.16.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:32 |
| S26 | 41 | S25 AND (block ADJ displacement) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:39 |
| S27 | 1 | S25 AND manhattan | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:39 |
| S28 | 675 | manhattan ADJ distance | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:39 |
| S29 | 34 | S28 AND macroblock | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:41 |
| S30 | 712 | manhattan ADJ (distance OR metric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:41 |
| S31 | 15 | S30 AND "375".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:45 |

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| S32 | 0 | rectilinear ADJ (distance OR metric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:45 |
| S33 | 364 | rectilinear ADJ (distance OR metric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:45 |
| S34 | 0 | S33 AND "375".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:45 |
| S35 | 31 | S33 AND macroblock | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:45 |
| S36 | 1 | "7088776".pn. | USPAT | OR | ON | 2007/05/11 13:54 |
| S37 | 1 | "7194035".pn. | USPAT | OR | ON | 2007/05/11 13:54 |
| S38 | 2 | (10/658938 10/792514 11/621969 11/621971 11/621974 11/621977 11/621980 11/671463).app. | US-PGPUB | OR | ON | 2007/05/11 13:58 |

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are computed on a few motion vectors (one **motion vector** each 16x16 macroblock) and having ... performant is the **manhattan distance** with 69% relevant r- ...

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Object matching for previous frame image. (minimum **Manhattan-distance** search). Object extraction (segmentation). **Motion vector** calculation of matched object ...

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... to select as small a **motion vector** as possible (preferably staying centered). ... and keep the one with the smallest **Manhattan distance** from the center. ...

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$g(n)$ = steps; $h(n)$ = **Manhattan distance** ... 1) Project the object's desired **motion vector** onto the plane of its current cell. ...
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